



# THE HANFORD SITE

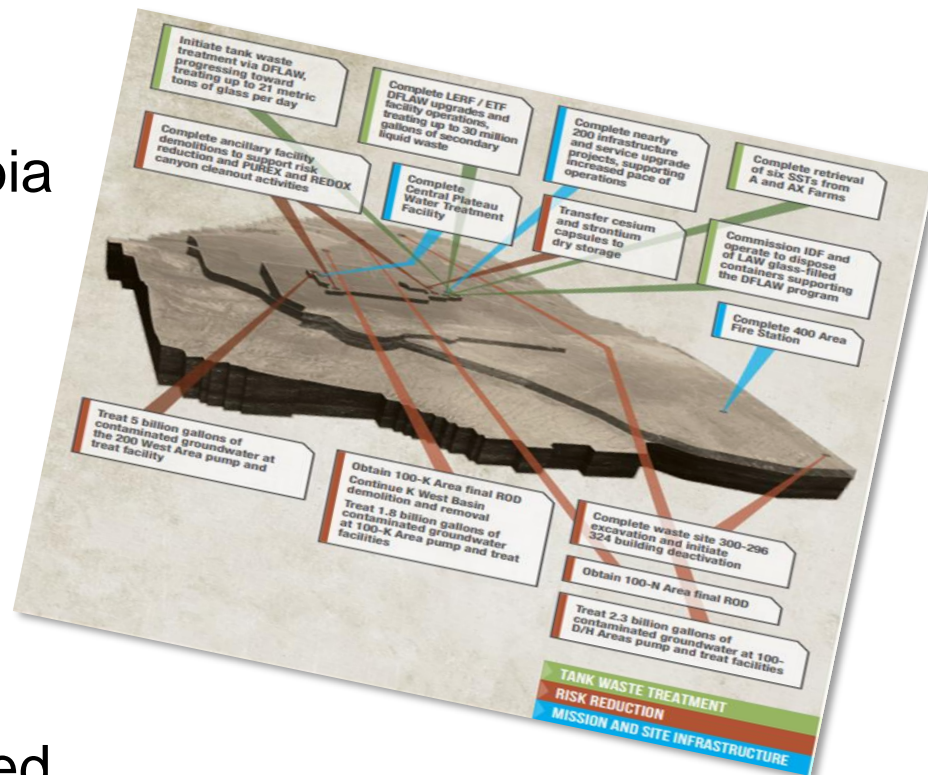
## **Fiscal Year 2025 Hanford Site Cleanup Priorities Public Briefing**

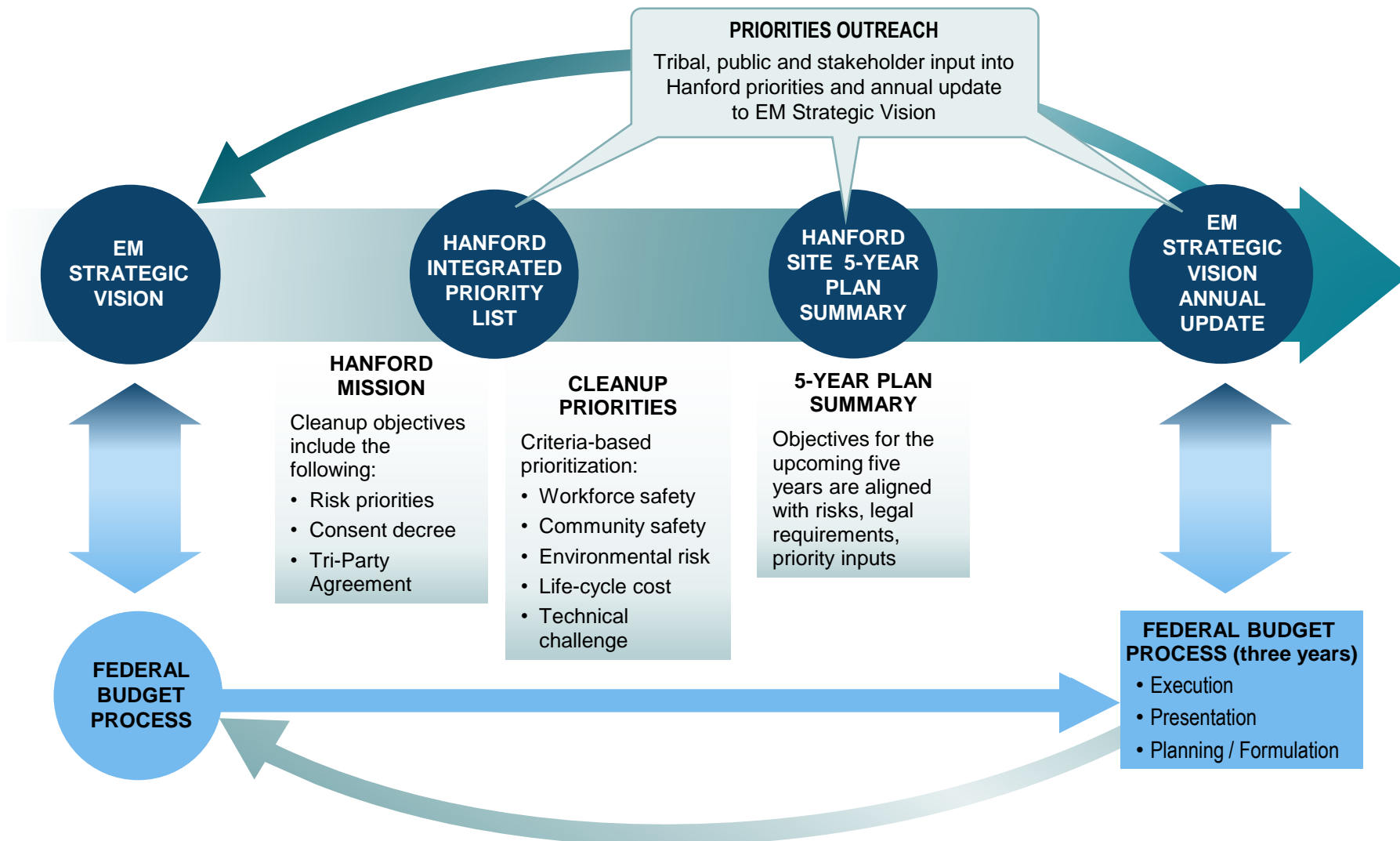
*March 6, 2023*

- U.S. Department of Energy (DOE) Hanford Site cleanup plans
- Fiscal year 2025 priorities
- Questions and answers



- Risk-reduction objectives in major Site areas:
  - Tank waste treatment
  - Central Plateau and Columbia River corridor risk reduction
  - Infrastructure
- 5-Year Plan
  - Supports discussion of Site risks
  - Activities planned for fiscal years 2023 to 2027 – updated annually





- Deliver safe and secure operations
- Manage, treat and disposition tank waste
- Stabilize aging structures
- Demolish retired facilities
- Remediate waste sites
- Treat contaminated groundwater
- Maintain infrastructure to support the mission



*Cocooning of the former K East Reactor building was completed in October 2022*

(\$ in thousands)

| PBS   | PBS Title   | FY 2023 Enacted    | FY 2024 (TBD) |
|---|---|--------------------|---------------|
| ORP-0014  | Radioactive Liquid Tank Waste Stabilization and Disposition | \$851,100          | TBD           |
| 23-D-403  | 200 West Area Tank Farms Risk Management Project            | \$4,408            | TBD           |
| <b>Tank Farms</b>                                     |   | <b>\$855,508</b>   | <b>TBD</b>    |
| ORP-0060  | LBL / Direct-Feed LAW                                       | \$412,700          | TBD           |
| ORP-0060  | High-Level Waste Facility                                   | \$392,200          | TBD           |
| ORP-0060  | Pretreatment Facility                                       | \$20,000           | TBD           |
| <b>Waste Treatment and Immobilization Plant (WTP)</b> |   | <b>\$824,900</b>   | <b>TBD</b>    |
| ORP-0070  | WTP Commissioning   | \$50,000           | TBD           |
| <b>Total</b>  | <b>Office of River Protection Funding Summary</b>           | <b>\$1,730,408</b> | <b>TBD</b>    |

FY = fiscal year  
 PBS = project baseline summary  
 LAW = low-activity waste  
 LBL = Low-Activity Waste Facility, Balance of Facilities, and Analytical Laboratory  
 TBD = to be determined

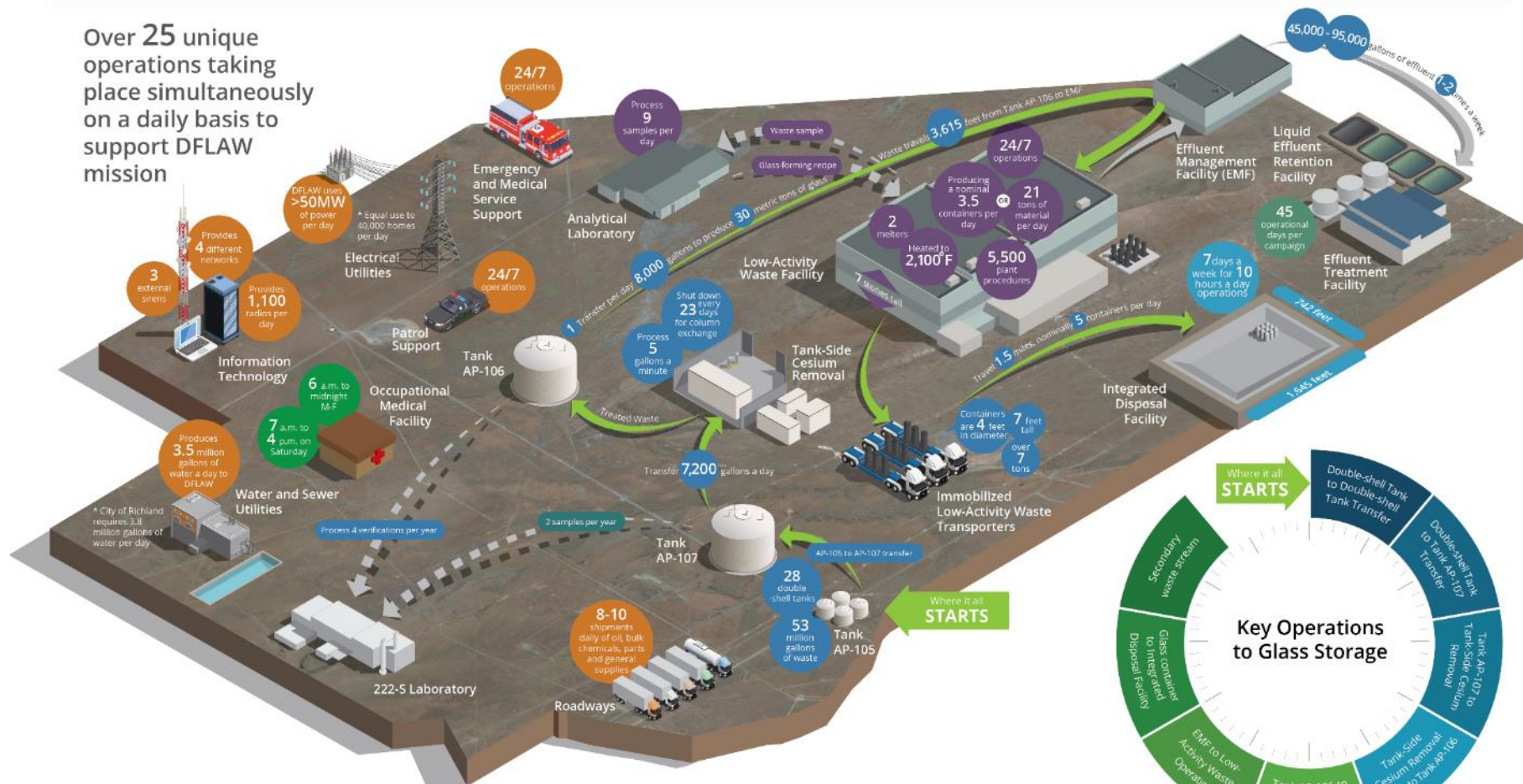


# Fiscal Year 2025 Direct-Feed Low-Activity Waste Operations

## Day in the Life of Direct-Feed Low-Activity Waste (DFLAW)

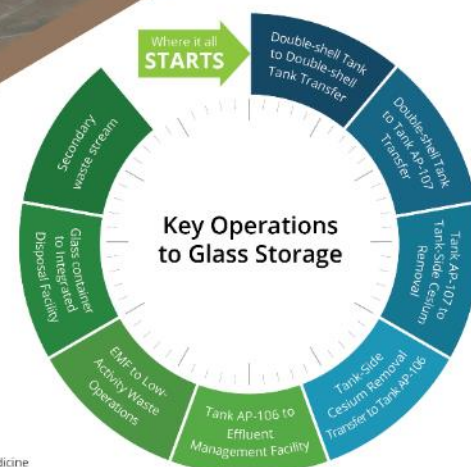
**ONE  
HANFORD**

Over 25 unique operations taking place simultaneously on a daily basis to support DFLAW mission



NOTE: Nominal values are depicted and will fluctuate throughout operations

■ Tank Farms 
 ■ 222-S Laboratory 
 ■ Waste Treatment and Immobilization Plant 
 ■ Effluent Treatment Facility 
 ■ Disposal Operations 
 ■ Infrastructure Services 
 ■ Occupational Medicine



# Facilities that Support the Direct-Feed Low-Activity Waste Program



A Tank Farm



Low-Activity Waste Facility



Integrated Disposal Facility



Tank-Side Cesium Removal System



Effluent Management Facility



222-S Laboratory



Liquid Effluent Retention Facility /  
Effluent Treatment Facility



Analytical Laboratory







# Fiscal Year 2025 High-Level Waste Facility



(\$ in thousands)

| PBS  | PBS Title  | FY 2023 Enacted    | FY 2024 (TBD) |
|--|--|--------------------|---------------|
| RL-0013C   | Solid Waste Stabilization and Disposition                  | \$183,600          | TBD           |
| RL-0013C   | 18-D-404 WESF Modifications and Capsule Storage            | \$3,100            | TBD           |
| RL-0030  | Soil and Water Remediation – Groundwater / Vadose Zone     | \$152,700          | TBD           |
| RL-0201  | Hanford Sitewide Services                                  | \$358,771          | TBD           |
| RL-0201  | 22-D-401 – L-888, 400 Area Fire Station                    | \$3,100            | TBD           |
| RL-0201  | 22-D-401 – L-897, Central Plateau Water Treatment Facility | \$8,900            | TBD           |
| RL-0201  | 23-D-404, 181D Export Water System Reconfiguration         | \$6,770            | TBD           |
| RL-0201  | 23-D-404, 181B Export Water System Reconfiguration         | \$480              | TBD           |
| <b>Central Plateau Remediation</b>                 |  | <b>\$717,421</b>   | <b>TBD</b>    |
| RL-0040  | Nuclear Facility D&D – Remainder of Hanford                | \$72,606           | TBD           |
| RL-0041  | Nuclear Facility D&D – River Corridor Closure Project      | \$206,479          | TBD           |
| <b>River Corridor and Other Cleanup Operations</b> |  | <b>\$279,085</b>   | <b>TBD</b>    |
| RL-0020  | Safeguards and Securities                                  | \$103,950          | TBD           |
| RL-0042  | Nuclear Facility D&D – Fast Flux Test Facility             | \$3,200            | TBD           |
| RL-0100  | Richland Community and Regulatory Support                  | \$10,013           | TBD           |
| <b>Total</b>                                       | <b>Richland Operations Office Funding Summary</b>          | <b>\$1,113,669</b> | <b>TBD</b>    |

D&D = deactivation and decommissioning  
WESF = Waste Encapsulation and Storage Facility





324 Building hot cell floor removal (mock-up testing)



324 Building structural modifications



Waste Encapsulation and Storage Facility automatic welding system and gantry



Waste Encapsulation and Storage Facility : G-Cell mock-up at the Maintenance and Storage Facility



Groundwater treatment and monitoring



200 West Pump and Treat Facility

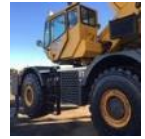




Public safety



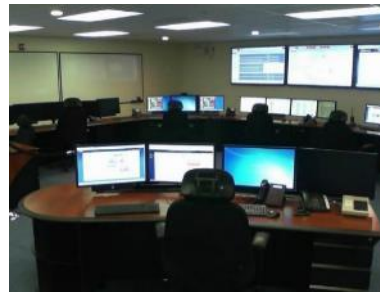
Long-term stewardship and environmental monitoring



Fleet services



Safeguards and security



Industrial and cybersecurity



Roads



Sewer system



Telecommunications



Power

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[www.youtube.com/hanfordsite](http://www.youtube.com/hanfordsite)

**Hanford Virtual Tour:** <https://vtours.hanford.gov/>

A 30-day comment period will run from March 6 to April 5, 2023. Submit comments via mail or electronically (preferred) to:



U.S. Department of Energy

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